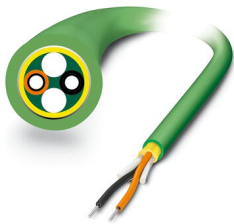


FL FOC PN-B-980/1000 - FO cable

2313397

<https://www.phoenixcontact.com/us/products/2313397>

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PROFINET polymer fiber cable, duplex 980 μm /1000 μm , heavy-weight design, for installation in stationary systems and machines, by the meter, without male connector

Your advantages

- Universal installation cable for installation in stationary systems and machines
- For indoors
- 2.2 mm individual wires made from extremely hard-wearing polyamide (PA)
- Rugged polyurethane (PUR) outer sheath
- PROFINET type B
- Halogen-free, ozone, and UV resistant

Commercial data

Item number	2313397
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN35
Product key	DNC231
Catalog page	Page 360 (C-8-2015)
GTIN	4046356418515
Weight per piece (including packing)	42.74 g
Weight per piece (excluding packing)	42 g
Customs tariff number	85447000
Country of origin	DE

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Technical data

Product properties

Product type	Data cable by the meter
Number of positions	2

Electrical properties

Transmission medium	Polymer fiber
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Interfaces

Signal	Ethernet
	PROFINET
	PROFIBUS
	Modbus

Dimensions

External dimensions

External diameter min.	7.5 mm
External diameter max.	8.5 mm

Material specifications

Material	Aluminum
Outer sheath, material	PUR

Cable/line

Cable length	Free input (0.4 ... 100 m)
Cable weight	49 kg/km
Cable abbreviation	J-V11Y 4Y2P 980/1000 160A 10
External cable diameter	8 mm
Outer sheath, material	PUR
External sheath, color	green
External sheath, strain relief elements	Non-metallic, aramide fiber
Single wire, material	PA
Individual wire diameter	2.2 mm ±0.07 mm
Single wire, color	black and orange with arrow labeling
Bending radius, single element	30 mm (Short-term)
	30 mm (Short-term)
Bending radius, entire cable	65 mm (Short-term)
	65 mm (Short-term)
Bending radius	30 mm (Short-term)
	30 mm (Permanent)
	65 mm (Short-term)
	65 mm (Permanent)

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Tensile strength short-term/long-term	1000 N / 100 N
Lateral pressure short term	200 N/cm
Lateral pressure, long-term	20 N/cm
Impact strength	2 Nm / 10 x
660 nm	230 dB/km
Halogen-free	According to IEC 60754-2
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1
Behavior in fire	1.62 MJ/m (0.39 kWh/m)

FO cable

Fiber	Polymer fiber, 980/1000 µm
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Mechanical properties

Tensile strength short-term/long-term	1000 N / 100 N
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Environmental and real-life conditions

Ambient conditions

Impact strength	2 Nm / 10 x
Ambient temperature (operation)	-20 °C ... 70 °C -20 °C ... 70 °C (with quick mounting connector)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Ambient temperature (installation)	5 °C ... 50 °C
Altitude	5000 m
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1

Standards and regulations

Behavior in fire	1.62 MJ/m (0.39 kWh/m)
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1

Mounting

cable layer type	Indoors
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Classifications

ECLASS

ECLASS-11.0	27061803
ECLASS-12.0	27061803
ECLASS-13.0	27061803

ETIM

ETIM 9.0	EC000034
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UNSPSC

UNSPSC 21.0	26121600
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FL FOC PN-B-980/1000 - FO cable



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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

PSM-SET-SCRJ-DUP/2-POF - FO connectors

2708656

<https://www.phoenixcontact.com/us/products/2708656>

FO connectors, degree of protection: IP20, number of positions: 2, MM, material: Metal, connection method: Push-pull, cable outlet: straight



VS-SCRJ-POF-POLISH - FO accessories

1656673

<https://www.phoenixcontact.com/us/products/1656673>

Refilling set for VS-SC-RJ-POF-KONFTOOL-POLISH, consisting of two polishing discs and a polisher



FL FOC PN-B-980/1000 - FO cable

2313397

<https://www.phoenixcontact.com/us/products/2313397>



PSM-SET-FSMA/4-KT - FO connectors

2799720

<https://www.phoenixcontact.com/us/products/2799720>

FO connectors, degree of protection: IP20, number of positions: 2, MM, material: Metal, cable outlet: straight



PSM-SET-FSMA-POLISH - Assembly tool

2799348

<https://www.phoenixcontact.com/us/products/2799348>

Polymer fiber polishing set, for F-SMA quick mounting connectors



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PSM-POF-KONFTOOL - Assembly tool

2744131

<https://www.phoenixcontact.com/us/products/2744131>



Polymer fiber DIY case, consisting of: Stripping knife, stripping pliers, polishing wheels for F-SMA and SC-RJ quick mounting connectors, polishing pad and emery paper

WIREFOX-D 16 - Stripping tool

1212173

<https://www.phoenixcontact.com/us/products/1212173>



Stripping tool, for stripping lines (specially for fiber optics lines) of Ø 4 - 16 mm

FL FOC PN-B-980/1000 - FO cable

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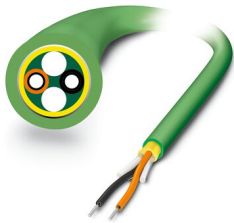
<https://www.phoenixcontact.com/us/products/2313397>



FOC-PN-B-1000/IP20/... - FO patch cable

2901551

<https://www.phoenixcontact.com/us/products/2901551>



POF PROFINET installation cable for assembly (IP20 heads only) for installation in stationary systems and machines, individual elements of polyamide (PA), halogen-free, ozone- and UV-resistant, with reinforced polyurethane (PUR) outer sheath

PSM-FO-STRIP - Stripping tool

2744199

<https://www.phoenixcontact.com/us/products/2744199>



Stripping pliers for transmitting individual elements of the fiber optic cable. Especially suited for all polymer and PCF cables. Special mechanics and precise blade form avoid damage to the fiber optic fibers. Dimensions: (L x W x H) 160 x 130 x 36 mm.

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